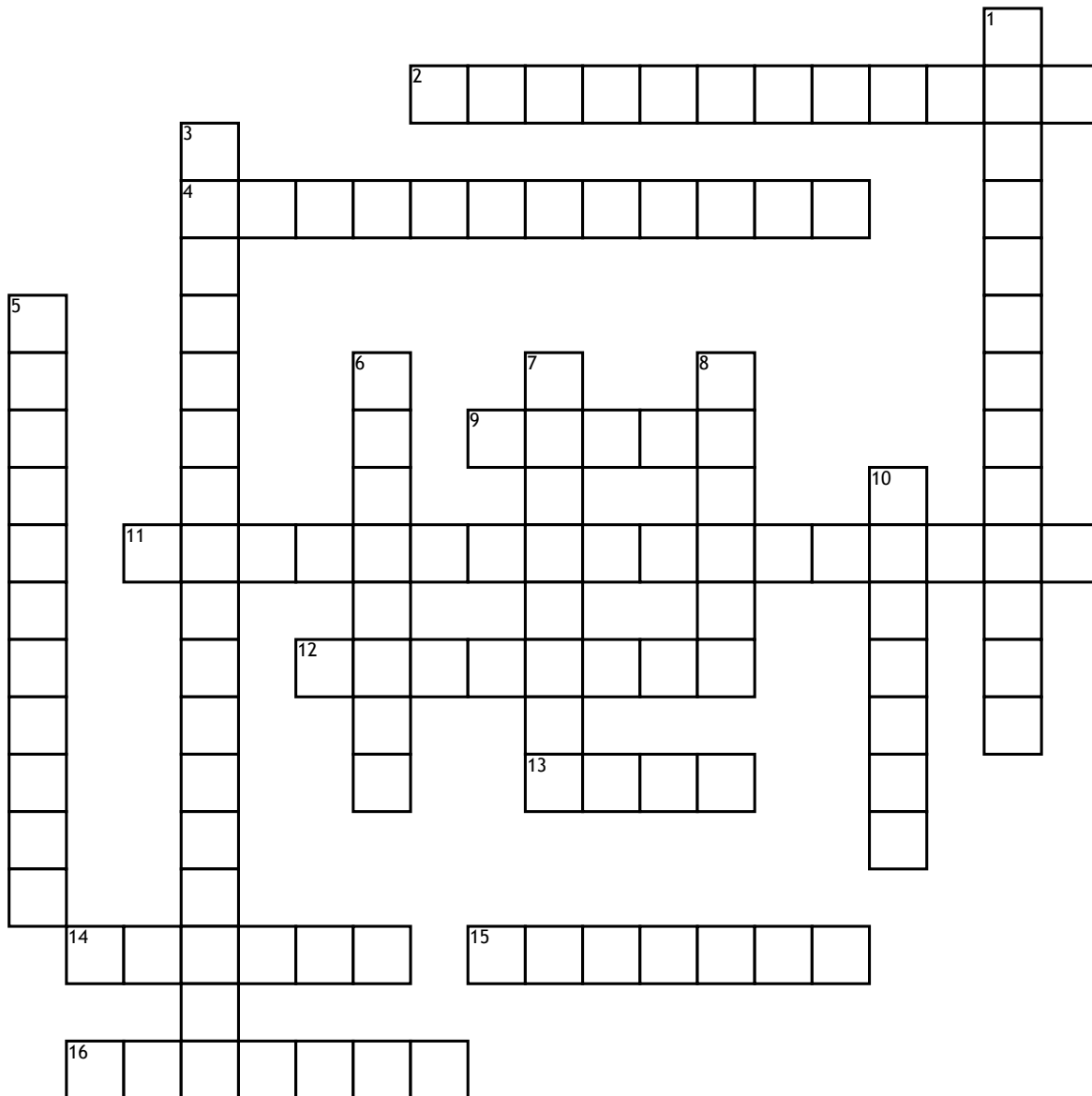


Name: _____

Date: _____

Newton's Law of Motion



Across

2. every object continues in a state of rest or of uniform speed in a straight line unless acted on by a nonzero net force

4. is a force that is exerted on an object by a person or another object or force

9. any push or pull exerted on an object, measured in Newtons

11. whenever one object exerts of a force on a second objects, the second objects exerts an equal and opposite force on the first

12. opposing force that goes against motion; caused by contact between two surfaces

13. scalar quantity of matter in an object.

14. force caused by gravity due to its mass

15. pull of an object on any other object

Down

1. type of friction caused by air; always opposes motion

3. the acceleration of an object is directly proportional to the net force acting on the object

5. upward supportive force

6. SI unit of mass = 1000 grams; One kilogram (symbol kg) is the mass of liter (1 L) of water

7. product of the mass of an object and its velocity

8. SI unit of force. One newton (symbol N) is the force that will give an object of mass of 1 kg an acceleration of 1 m/s²

10. property of things to resist changes in motion